

PAX1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10458b

Product Information

Application	FC, WB, E
Primary Accession	P15863
Other Accession	NP_006183.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB20214
Calculated MW	55499
Antigen Region	443-471

Additional Information

Gene ID	5075
Other Names	Paired box protein Pax-1, HuP48, PAX1, HUP48
Target/Specificity	This PAX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 443-471 amino acids from the C-terminal region of human PAX1.
Dilution	FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PAX1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PAX1
Synonyms	HUP48
Function	This protein is a transcriptional activator. It may play a role in the formation of segmented structures of the embryo. May play an important role in the

normal development of the vertebral column (By similarity).

Cellular Location

Nucleus.

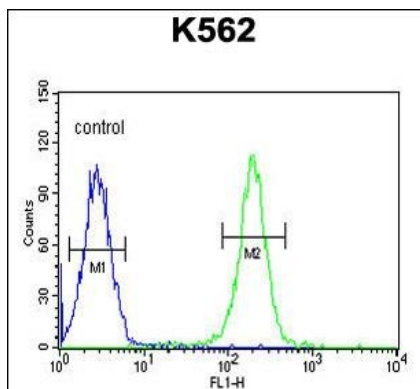
Background

The PAX genes, including PAX1, are a highly conserved family of developmental control genes that encode transcription factors and have been shown to play a role in pattern formation during embryogenesis in vertebrates (McGaughan et al., 2003 [PubMed 12774041]). See PAX7 (MIM 167410) for a discussion of paired box domain genes.

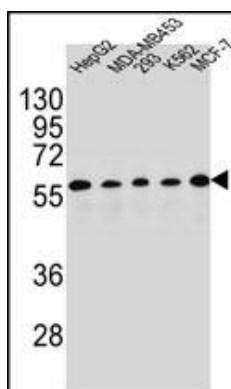
References

Huang, T.H., et al. Int. J. Gynecol. Cancer 20(4):513-519(2010)
Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)
Hillmer, A.M., et al. Nat. Genet. 40(11):1279-1281(2008)
Richards, J.B., et al. Nat. Genet. 40(11):1282-1284(2008)
Fei, Q., et al. Zhonghua Yi Xue Za Zhi 88(37):2597-2602(2008)

Images



PAX1 Antibody (C-term) (Cat. #AP10458b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



PAX1 Antibody (C-term) (Cat. #AP10458b) western blot analysis in HepG2, MDA-MB453, 293, K562, MCF-7 cell line lysates (35ug/lane). This demonstrates the PAX1 antibody detected the PAX1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.